



# Material Safety Data Sheet

## COSMOLINE 1102

### 1. Chemical Product and Company Identification

Product Name	COSMOLINE 1102	CHEMTREC Company Code	HOUH
Company Name	Houghton International Inc. Madison & Van Buren Aves Valley Forge, PA 19482	CHEMTREC Customer Number	10769
Company Name	Houghton Canada Inc. 115 Walker Drive, Unit B Brampton, ON L6T 5P5 Phone: 905-494-3770	FAX  Customer Service	(610) 666-1376  (888) 459-9844
Website	www.houghtonintl.com	Product Use	Corrosion Inhibitor
Telephone	(610) 666-4000		
Emergency Phone Number	24 HOUR - (800) 424-9300 or (703) 527-3887 (CHEMTREC)		
Emergency Phone Number - Canada	24 HOUR - 613-996-6666 (CANUTEC)		

### 2. Hazardous Ingredients

Component	Cas No	% by Weight	Hazards
Mineral Oil	64742-52-5	10-30	TLV: 5 mg/m <sup>3</sup> as oil mist PEL: 5 mg/m <sup>3</sup> as oil mist STEL: 10 mg/m <sup>3</sup> as oil mist Other:
Stoddard Solvent	8052-41-3	30-60	TLV: 100 ppm PEL: 500 ppm STEL: N/E Other: NIOSH: 350 mg/m <sup>3</sup>

N/E - Not Established; N/A - Not Applicable; Mfr - Manufacturer Recommendation  
TLV, STEL - ACGIH; PEL - OSHA

### 3. Hazards Identification

Primary Entry Routes	EYES, SKIN, INHALATION
Acute Effects	
Inhalation	INHALATION OF MISTS MAY CAUSE DIZZINESS, HEADACHE OR NAUSEA.



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### 3. Hazards Identification - continued

Eye	MAY BE IRRITATING TO EYES AND CAUSE STINGING, TEARING, REDNESS AND SWELLING.
Skin	PROLONGED OR REPEATED SKIN CONTACT MAY DRY THE SKIN. SYMPTOMS MAY INCLUDE REDNESS, BURNING, AND DRYING AND CRACKING OF THE SKIN, BURNS AND OTHER SKIN DAMAGE.
Ingestion	INGESTION MAY CAUSE NAUSEA, VOMITING AND DIARRHEA. ASPIRATION MAY CAUSE LUNG DAMAGE.
Carcinogenicity	THIS PRODUCT DOES NOT CONTAIN ANY COMPONENT REPORTABLE AS A CARCINOGEN UNDER 29 CFR 1910.1200.
Medical Conditions Aggravated by LongTerm Exposure	PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.
Chronic Effects	UNKNOWN
HMIS:	
Health	1
Flammability	2
Physical Hazard	0

\* indicates that there may be chronic health effects present

### 4. First Aid Measures

Inhalation	IF INHALED, REMOVE TO A SOURCE OF FRESH AIR.
Eye Contact	FLUSH EYES WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN.
Skin Contact	WASH SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSING. CONSULT PHYSICIAN IF IRRITATION PERSISTS.
Ingestion	IF INGESTED, DO NOT INDUCE VOMITING! CONSULT PHYSICIAN.
Note to Physicians	NO SPECIFIC ANTIDOTE KNOWN. BASED ON INDIVIDUAL REACTIONS OF THE PATIENT, THE PHYSICIAN'S JUDGMENT SHOULD BE USED TO CONTROL SYMPTOMS AND CLINICAL CONDITIONS.

N/A - Not Applicable



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### 5. Fire Fighting Measures

Flash Point	106°F
Method Used	PENSKY MARTENS CLOSED CUP
Autoignition Temperature	N/D
LEL	1.0
UEL	6.0
Extinguishing Media	USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM. USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.
Unusual Fire or Explosion Hazards	VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY HEAT, PILOT LIGHTS OR OTHER SOURCES OF IGNITION DISTANT FROM THE MATERIAL HANDLING POINT.
Fire Fighting Instructions	USE AIR-PACK WITH FULL FACE SHIELD IN CONFINED AREAS.
NFPA:	
Health	1
Flammability	2
Reactivity	0
Special	N/A

N/A - Not Applicable; ND - Not Determined; > - Greater Than; < - Less Than

### 6. Accidental Release Measures

Spill or Release Procedures	ELIMINATE ALL SOURCES OF IGNITION. PROVIDE VENTILATION. APPLY DRY ABSORBENT MATERIAL AND SWEEP UP THOROUGHLY. PLACE IN A SUITABLE CONTAINER FOR DISPOSAL.
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### 7. Handling and Storage

Handling Precautions	DO NOT USE NEAR SOURCES OF HEAT, OPEN FLAMES OR SPARKS. USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.
Storage Requirements	KEEP AWAY FROM STRONG OXIDIZERS. DO NOT STORE NEAR SOURCES OF HEAT, OPEN FLAMES OR SPARKS. KEEP CONTAINERS CLOSED WHEN NOT IN USE.



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### 8. Exposure Controls/Personal Protection

Engineering Controls	PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE EXPOSURE LIMITS IN SECTION 2.
Personal Protective Equipment	
Eye/Face Protection	WEAR SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.
Skin Protection	USE NEOPRENE, NITRILE RUBBER GLOVES AND NORMAL WORK CLOTHING TO COVER ARMS AND LEGS.
Respiratory Protection	RESPIRATORY PROTECTION REQUIRED IF APPLICABLE EXPOSURE LIMITS ARE EXCEEDED.
Other	EYEWASH AND SAFETY SHOWER RECOMMENDED.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, or applying cosmetics.

### 9. Physical and Chemical Properties

Appearance	DARK AMBER LIQUID	Boiling Point	> 300°F
Odor	MINERAL SPIRITS	Freezing/ Melting Point	N/D
Vapor Pressure (mmHg)	2	Percent Volatile	37 - 41
Vapor Density (Air = 1)	> 1	VOC	3.23 lbs/gal
Specific Gravity (Water = 1)	0.88	Evaporation Rate (BuAc = 1)	< 1 (ETHYL ETHER = 1)
pH (Neat)	N/A		
Water Solubility	NEGLIGIBLE		

N/D - Not Determined; N/A - Not Applicable; > - Greater Than; < - Less Than

### 10. Stability and Reactivity

Stability	THIS PRODUCT IS STABLE AT ROOM TEMPERATURE IN CLOSED CONTAINERS UNDER NORMAL STORAGE AND HANDLING CONDITIONS.
Chemical Incompatibilities	AVOID CONTACT WITH STRONG OXIDIZERS.

**Material Safety Data Sheet  
COSMOLINE 1102****10. Stability and Reactivity - continued**Hazardous Decomposition  
ProductsTHERMAL; OXIDES OF CARBON, SULFUR COMPOUNDS AND VARIOUS  
HYDROCARBONS.

Hazardous Polymerization

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

**11. Toxicological Information**

NO DATA AVAILABLE

**12. Ecological Information**

NO DATA AVAILABLE

**13. Disposal Considerations**

Disposal

FOLLOW PERTINENT REGULATIONS FOR DISPOSAL. IT IS THE  
RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE, AT THE TIME OF  
DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR DERIVED  
FROM THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE.  
(40 CFR 261.20-24)RCRA Hazardous Waste  
Number

D001 (IGNITABILITY); FLASH POINT &lt; 140°F FOR NEAT PRODUCT.

**14. Transportation Information**

Proper Shipping Name

NON-BULK GROUND - NOT HAZARDOUS UNDER DOT.  
BULK, GROUND - NA1993, COMBUSTIBLE LIQUID, N.O.S. (STODDARD  
SOLVENT), III.**15. Regulatory Information**

TSCA Section 8(b)

ALL OF THE COMPONENTS IN THIS PRODUCT ARE ON THE TSCA  
INVENTORY.

DSL

ALL OF THE COMPONENTS IN THIS PRODUCT ARE ON THE CANADIAN DSL.  
THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD  
CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL OF THE INFORMATION  
REQUIRED BY THE CPR.

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COSMOLINE 1102****15. Regulatory Information - continued**

CERCLA Reportable Quantity	NONE
SARA Title III, Section 313	29.7% ZINC COMPOUND (ZINC SALT OF OXIDIZED PETROLATUM; CAS NO. 68918-69-4).
SCAQMD	SCAQMD RULE 1144: THIS PRODUCT EXCEEDS VOC CONCENTRATIONS SET BY SCAQMD AS DETERMINED BY TEST METHOD ASTM E1868-10 AND CANNOT BE USED AS A METAL WORKING FLUID OR AS A DIRECT CONTACT LUBRICANT IN CALIFORNIA'S SCAQMD REGION AS PER RULE 1144.
Ozone Depleting Substances	THIS PRODUCT WAS NOT MANUFACTURED, DOES NOT CONTAIN, AND WAS NOT PACKAGED USING ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCE AS DEFINED BY THE CLEAN AIR ACT.
WHMIS	B3, D2B

**16. Other Information**

Date of Preparation:	31 October 2011
Prepared By	GARY CARL
Title	MANAGER, PRODUCT SAFETY
Telephone Number	(610) 666-4000

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